



VERSION CONTROL SYSTEM

Git & GitHub



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CONSULTADD INC

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EXERCISE 01

Create your first Repository and Commit

Exercise 1: Create your first Commit.

Task:

- Initialize your Repository: `git init project Exercise-1`
- Create a file with name `index.html`
- Write code in newly created file
- Stage `index.html`
- Commit with message '**Initial Message.**'

```
MINGW64:/c/Users/Trishok/Desktop/Exercise_1

Trishok@DESKTOP-PK0TND2 MINGW64 ~
$ cd Desktop/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_1

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_1

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_1
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_1/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_1 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_1 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_1 (master)
$ git commit -m "Initial Message"
[master (root-commit) adb5ea5] Initial Message
1 file changed, 2 insertions(+)
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_1 (master)
$
```

EXERCISE 02

Commit only one file

Exercise 2: Commit only one file.

Task:

- Initialize your Repository: git init Exercise-2
- Create a files with names index.html and about.html
- Add code in both files.
- Stage only one file.
- Commit with message: **'File x added.'**

```
Git MINGW64:/c/Users/Trishok/Desktop/Exercise_2

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_2

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_2

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_2/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$ nano about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$ git commit -m "File index.html added"
[master (root-commit) c4675f7] File index.html added
 1 file changed, 1 insertion(+)
 create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about.html

nothing added to commit but untracked files present (use "git add" to track)

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_2 (master)
$
```

EXERCISE 03

Modify last commit

Exercise 3: Modify last commit.

Task:

- Initialize your Repository: `git init` project Exercise-3
- Create a file with name `index.html`
- Write code in newly created file
- Stage `index.html`
- Commit with message 'adding index.html.'
- Add new `about.html` file with some code.
- Now modify message of previous commit as 'Adding index.html and about.html' and add `about.html` file in previous commit.

```
MINGW64/c/Users/Trishok/Desktop/Exercise_3
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_3

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_3

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_3/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ git commit -m "adding index.html"
[master (root-commit) e0d1bf5] adding index.html
1 file changed, 2 insertions(+)
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ nano about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ git add about.html
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ git commit --amend -m "adding index.html and about.html"
[master 244fb2f] adding index.html and about.html
Date: Mon Jun 28 19:21:10 2021 -0400
2 files changed, 4 insertions(+)
create mode 100644 about.html
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$ git log
commit 244fb2fe05822a6bbfa41a9c7776a8fd7a93de2c (HEAD -> master)
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 19:21:10 2021 -0400

    adding index.html and about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_3 (master)
$
```

EXERCISE 04

Create git ignore file

Exercise 4: Create git ignore file

Task:

- Initialize your Repository: git init Exercise-4
- Create a gitignore file that will ignore
 - all files with 'exe' extension
 - all files with 'o' extension
 - all files with 'jar' extension
 - the whole libraries directory



MINGW64/c/Users/Trishok/Desktop/Exercise_4

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~
$ cd Desktop/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_4

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_4

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_4/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        a.exe
        b.exe
        c.exe
        first.jar
        index.html
        int.o
        libraries/
        second.jar
        text.o

nothing added to commit but untracked files present (use "git add" to track)

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ nano .gitignore
```

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ cat .git
.git/      .gitignore

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ cat .gitignore
*.exe
*.o
*.jar
libraries

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ git add .gitignore
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   .gitignore

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_4 (master)
$
```

EXERCISE 05

Save your work with stash

Exercise 5: Save your work with stash.

Task:

- Initialize your Repository: git init Exercise-5
- Add some random files with code
- Now use git stash command to save required files from above files.

(For this exercise don't send repository just submit git commands and output of git stash list)



```
MINGW64/c/Users/Trishok/Desktop/Exercise_5
Trishok@DESKTOP-PK0TND2 MINGW64 ~
$ cd Desktop/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_5

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_5

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5
$ ls
about.html  index.html  text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5
$ git add about.html
fatal: not a git repository (or any of the parent directories): .git

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_5/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git add about.html
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git commit -m "added about.html"
[master (root-commit) 2862df0] added about.html
1 file changed, 2 insertions(+)
create mode 100644 about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ vim index.html
```

```
MINGW64/c/Users/Trishok/Desktop/Exercise_5
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   index.html
    new file:   text.html

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git stash
Saved working directory and index state WIP on master: 2862df0 added about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git stash list
stash@{0}: WIP on master: 2862df0 added about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$ git status
On branch master
nothing to commit, working tree clean

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_5 (master)
$
```

EXERCISE 06

Reset Previous Commit Keeping changes. (Soft Reset)

Exercise 6: Reset Previous Commit Keeping changes. (Soft Reset)

Task:

- Initialize your Repository: git init Exercise-6.
- Do some series of commits.
- Now use git reset command to reset one of the commit and keep changes in staging area.

In answer also add output of git status command.

```
MINGW64/c/Users/Trishok/Desktop/Exercise_6

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_6

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_6

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_6/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git commit -m "adding index.html"
[master (root-commit) f58787c] adding index.html
1 file changed, 2 insertions(+)
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ nano about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git add about.html
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git commit -m "adding about.html"
[master 4eb02a8] adding about.html
1 file changed, 2 insertions(+)
create mode 100644 about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ nano text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git add text.html
warning: LF will be replaced by CRLF in text.html.
The file will have its original line endings in your working directory
```

```
MINGW64/c/Users/Trishok/Desktop/Exercise_6

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git commit -m "added text.html"
[master 26ed742] added text.html
1 file changed, 2 insertions(+)
create mode 100644 text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git log
commit 26ed742364ac95d42c5089fbc801f7c9d99dd15f (HEAD -> master)
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:21:33 2021 -0400

    added text.html

commit 4eb02a829e9c38fb63e721acb0d6534d756eba86
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:20:23 2021 -0400

    adding about.html

commit f58787c312d021f61a88b6809e8aca7471a45e96
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:18:57 2021 -0400

    adding index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git reset --soft HEAD~1

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git log
commit 4eb02a829e9c38fb63e721acb0d6534d756eba86 (HEAD -> master)
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:20:23 2021 -0400

    adding about.html

commit f58787c312d021f61a88b6809e8aca7471a45e96
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:18:57 2021 -0400

    adding index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   text.html
```

EXERCISE 07

Reset Previous Commit (Hard Reset)

Exercise 7: Reset Previous Commit (Hard Reset).

Task:

- Initialize your Repository: git init Exercise-7.
- Do some series of commits.
- Use git reset command to reset one of the commit without keeping changes.

MINGW64/c/Users/Trishok/Desktop/Exercise_7

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_7

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_7

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_7/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ ls
about.html  index.html  text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git add about.html
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git commit -m "added about.html"
[master (root-commit) a7df181] added about.html
1 file changed, 2 insertions(+)
create mode 100644 about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git add text.html
warning: LF will be replaced by CRLF in text.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git commit -m "added text.html"
[master a681b84] added text.html
1 file changed, 2 insertions(+)
create mode 100644 text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git commit -m "index.html"
[master b242f4e] index.html
1 file changed, 2 insertions(+)
create mode 100644 index.html
```

MINGW64/c/Users/Trishok/Desktop/Exercise_7

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git log
commit b242f4e613c1917c9b49df523522dad30a8c29b3 (HEAD -> master)
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:35:40 2021 -0400

    index.html

commit a681b84e904d0543ba95b3f3b870ad9332df5bee
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:35:20 2021 -0400

    added text.html

commit a7df1819d0c847ab3fe065d652d2982a09236405
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:34:55 2021 -0400

    added about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git reset --hard HEAD~1
HEAD is now at a681b84 added text.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git log
commit a681b84e904d0543ba95b3f3b870ad9332df5bee (HEAD -> master)
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:35:20 2021 -0400

    added text.html

commit a7df1819d0c847ab3fe065d652d2982a09236405
Author: prithvi14 <prithvit@umich.edu>
Date: Mon Jun 28 21:34:55 2021 -0400

    added about.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_7 (master)
$ git status
On branch master
nothing to commit, working tree clean
```


EXERCISE 08

Merge branch (No Conflicts)

Exercise 8: Merge branch (No Conflicts).

Task:

- Initialize your Repository: git init Exercise-8
- Create index.html file add some code.
- Make Commit.
- Create new branch from master branch with name **my-feature**.
- Add about-us.html file with code and commit changes in my-feature branch.
- Now checkout master branch.
- Merge my-feature branch into master.



```
MINGW64/c/Users/Trishok/Desktop/Exercise_8

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ mkdir Exercise_8

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop
$ cd Exercise_8

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8
$ git init
Initialized empty Git repository in C:/Users/Trishok/Desktop/Exercise_8/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ git commit -m "adding index.html file"
[master (root-commit) 5af63f7] adding index.html file
1 file changed, 2 insertions(+)
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (my-feature)
$ nano about-us.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (my-feature)
$ git add about-us.html
warning: LF will be replaced by CRLF in about-us.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (my-feature)
$ git commit -m "adding about-us.html"
[my-feature f511fd5] adding about-us.html
1 file changed, 2 insertions(+)
create mode 100644 about-us.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (my-feature)
$ git checkout master
Switched to branch 'master'
```

```
MINGW64/c/Users/Trishok/Desktop/Exercise_8

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (my-feature)
$ git checkout master
Switched to branch 'master'

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ git merge my-feature
Updating 5af63f7..f511fd5
Fast-forward
 about-us.html | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 about-us.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Desktop/Exercise_8 (master)
$ ls
about-us.html  index.html
```

EXERCISE 09

Merge branch (Conflicts)

Exercise 9: Merge branch (Conflicts).

Task:

- Initialize your Repository: `git init Exercise-9`
- Create `index.html` file add some code.
- Make Commit.
- Create new branch from master branch with name `my-feature`.
- Add `about-us.html` file with code
- Make changes in `index.html`
- Commit changes in `my-feature` branch.
- Now checkout master branch.
- Do some code changes in `index.html`
- Commit changes.
- Now merge `my-feature` branch into master.
- You will get conflicts for `index.html` file. Resolve conflict by selecting both changes for the same `index.html` file.

MINGW64:/c/Users/Trishok/Exercise_9

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~
$ mkdir Exercise_9

Trishok@DESKTOP-PK0TND2 MINGW64 ~
$ cd Exercise_9

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9
$ git init
Initialized empty Git repository in C:/Users/Trishok/Exercise_9/.git/

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ nano index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git commit -m "added file"
[master (root-commit) 3af036a] added file
1 file changed, 2 insertions(+)
create mode 100644 index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ nano about-us.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ git add about-us.html
warning: LF will be replaced by CRLF in about-us.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ git commit -m "added a file"
[my-feature 220e16c] added a file
1 file changed, 2 insertions(+)
create mode 100644 about-us.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ vim index.html
```

git

to

m.

the

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ git commit -m "added changes"
[my-feature d22b638] added changes
1 file changed, 1 insertion(+), 1 deletion(-)

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (my-feature)
$ git checkout master
Switched to branch 'master'

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ vim index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git add index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git commit -m "added changes"
[master 698b3e9] added changes
1 file changed, 1 insertion(+), 1 deletion(-)

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git merge mybranch
merge: mybranch - not something we can merge

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git merge my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master|MERGING)
$ git mergetool
Merging:
index.html

Normal merge conflict for 'index.html':
  {local}: modified file
  {remote}: modified file
index.html seems unchanged.
Was the merge successful [y/n]? y
```

Select MINGW64:/c/Users/Trishok/Exercise_9

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master|MERGING)
$ git status
On branch master
All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)

Changes to be committed:
  new file:   about-us.html
  modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  index.html.orig

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master|MERGING)
$ git add index.html

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master|MERGING)
$ git commit -m "added file"
> ^C

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master|MERGING)
$ git commit -m "added file"
[master 622986a] added file

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  index.html.orig

nothing added to commit but untracked files present (use "git add" to track)
```

Select MINGW64:/c/Users/Trishok/Exercise_9

```
Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ git log
commit 622986ac161345671a8ae5fe931b27471d77f197 (HEAD -> master)
Merge: 698b3e9 d22b638
Author: prithvi14 <prithvit@umich.edu>
Date:   Mon Jun 28 23:51:35 2021 -0400

    added file

commit 698b3e9551e67f97c4c5061421d6f45b850d7955
Author: prithvi14 <prithvit@umich.edu>
Date:   Mon Jun 28 23:38:06 2021 -0400

    added changes

commit d22b638c605de0e29c9d91c0b7879af238b13e00 (my-feature)
Author: prithvi14 <prithvit@umich.edu>
Date:   Mon Jun 28 23:36:27 2021 -0400

    added changes

commit 220e16c917771708a29f15ba31ad0295d9dbea57
Author: prithvi14 <prithvit@umich.edu>
Date:   Mon Jun 28 23:34:30 2021 -0400

    added a file

commit 3af036a41183f30c4d4ca5cc68338817a3ae09dd
Author: prithvi14 <prithvit@umich.edu>
Date:   Mon Jun 28 23:33:09 2021 -0400

    added file

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ ls
about-us.html  index.html  index.html.orig

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ vim index.html.orig

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ vim index.html.orig

Trishok@DESKTOP-PK0TND2 MINGW64 ~/Exercise_9 (master)
$ cat index.html
<<<<<< HEAD
<h1> I am prithvi and I am student < /h1>
=====
<h1> I am prithvi and I love india </h1>
>>>>>> my-feature
```

Timeline

This is just an estimation, please complete at your ease

	Time in Minutes		
Levels Assignment	Beginner	Intermediate	Expert
Exercise-1	15	10	5
Exercise-2	15	10	5
Exercise-3	30	20	15
Exercise-4	5	5	5
Exercise-5	25-30	20	15
Exercise-6	45	30	30
Exercise-7	45	30	30
Exercise-8	60	45	45
Exercise-9	90	60	60
Total Time	5.08 HRs	3.83 HRs	3.5 HRs

#consultadd
#consultaddtraining



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